C O N T E N T S

Volume 7

Number 1, January 1977

Notices 1

Egg transfer in cattle: Pregnancy rate following transfer to the uterine horn ipsilateral or contralateral to the functional corpus luteum

H.R. Tervit, Pamela G. Havik and J.F. Smith 3

Estrus without ovulation in puberal ewes

T.N. Edey, T.T. Chu, R. Kilgour, J.F. Smith and H.R. Tervit 11

Plasma hormone levels in beef heifers during prostaglandin-induced parturition

D.M. Henricks, N.C. Rawlings and A.R. Ellicott 17

Abstracts 29

Erratum 39

Number 2, February 1977

Notices 41

Induced abortion in cattle

C.A. Sloan..... 43

Response of ovaries and serum steroid levels after treatment of cystic ovarian disease in dairy cattle. I. Treatment with corticosteroids and a combination of human chorionic gonadotropin and progesterone

Toshihiko Nakao 53

Estrus, ovulation and conception following time insemination in Romney ewes treated with progestagen and gonadotropins

J.F. Smith 63

Synchronization of preovulatory LH surges after $PGF_{2\alpha}$ in beef cattle: The effects of D-ALA-GnRH and testosterone benzoate

O. Fernández-Limia, B.D. Murphy and J.G. Manns 73

THERIOGENOLOGY

Effect of electro-ejaculation frequency on semen characteristics in the ferret (*Mustela Putorius*)

Ann U. Shump, Karl A. Shump, Jr., Richard J. Aulerich and Robert K. Ringer 83

Bacteriologic studies of bovine genital tracts: The use of dye as an indicator of postmortem contamination of the uterus by vaginal fluids

Bonnie J. Buntain and R.M. Nakamura 89

Abstracts 95

Book Review 99

Number 3, March 1977

Notices 103

The influence of some nutritional factors on the incidence of the repeat breeder syndrome in high producing dairy herds

G. Francos, M. Davidson and E. Mayer 105

The estrous cycle in the dog: A review

Wolfgang Jöchle and Allen C. Andersen 113

Superovulation: A limit to egg transfer in cattle

J. Saumande and D. Chupin 141

Effect of repeated sampling on concentrations of testosterone, LH and prolactin in blood of yearling Angus bulls

Nancy E. Sitarz, R.E. Erb, T.G. Martin, and P.V. Malven 151

Abstracts 159

Number 4, April 1977

Notices 165

Experimentally induced mycoplasmal infection in the genital tract of the male dog. I. Andrological-Spermatological investigations before infection

A. Holzmann and G. Laber 167

Experimentally induced mycoplasma infection in the genital tract of the male dog. II. Andrological and microbiological investigations after exposure to mycoplasms

Unilateral and bilateral cervical transfer of bovine embryos at the blastocyst stage

J.P. Renard, Y. Heyman, and F. du Mesnil du Buisson 189

Collection and cytogenetics of fetal fluids from heifers during the third month of pregnancy I. Collection

M.D. Eaglesome and D. Mitchell 195

Collection and cytogenetics of fetal fluids from heifers during the third month of pregnancy II. Cytogenetic studies.

E.L. Singh and W.C.D. Hare 203

Comparison of *in vivo* and *in vitro* uterine contractility in the ewe

H.W. Hawk, H.H. Conley and D.J. Bolt 215

Effect of route of dexamethasone administration on parturition, fertility and calf performance in beef cattle

V.A. LaVoie, J.L. Winter and E.L. Moody 225

Non-surgical recovery of bovine embryos

Torben Greve, Henrik Lehn-Jensen and N.O. Rasbech 239

Response of two cows with mummified fetus to treatment with Cloprostenol (ICI 80, 996)

A.L. Jenkins, R.S. Youngquist, R.G. Elmore, D.J. Kesler, H.A. Garverick and C.J. Bierschwal 251

Erratum 259

Number 5, May 1977

Notices 263

Influence of incubation in seminal plasma on subsequent metabolic and morphological characteristics of bovine spermatozoa

R.W. Lenz, C.N. Graves and J.R. Lodge 265

Release of lutropin (LH) and follitropin (FSH) in cattle after administration of a new gonadoliberin (GnRH) analogue in comparison with the gonadoliberin decapeptide

M. Nawito, E. Schallenberger and D. Schams 277

THERIOGENOLOGY

Estimates of early embryonic loss in ewes mated to rams selected for high and low prolificacy

P.J. Burfening, R.L. Friedrick and J.L. Van Horn 285

The effects of estradiol-17β, progesterone, and $PGF_{2\alpha}$-tham on corpora lutea in ewes with intact and partially destroyed endometrium

Thomas A. Alifakiotis 293

Induction of abortion in feedlot heifers with Cloprostenol (ICI 80,996)

R.S. Youngquist, C.J. Bierschwal, R.G. Elmore, A.L. Jenkins, R.H. Schultz and J.H. Widmer 305

Number 6, June 1977

Notices 313

Progesterone and the initiation of parturition in the goat

N.C. Rawlings and W.R. Ward 317

The measurement of total plasma oestrogens during the follicular phase of the mare's oestrous cycle

E. Palmer and M. Terqui 331

Control of estrus and ovulation in dairy cows

D. Chupin, J. Pelot and P. Mauleon 339

Studies of bovine genital tracts: Mycoplasma isolations from dairy cows

Robert M. Nakamura, Michael L. Walt, and Richard H. Bennett 351

Infant mortality in *Macaca Fascicularis:* Neonatal and post-neonatal mortality at the Regional Primate Research Center Field Station, University of Washington, 1967-1976

J. Erwin 357

Author Index 367

Subject Index 369

Contents - Volume 7